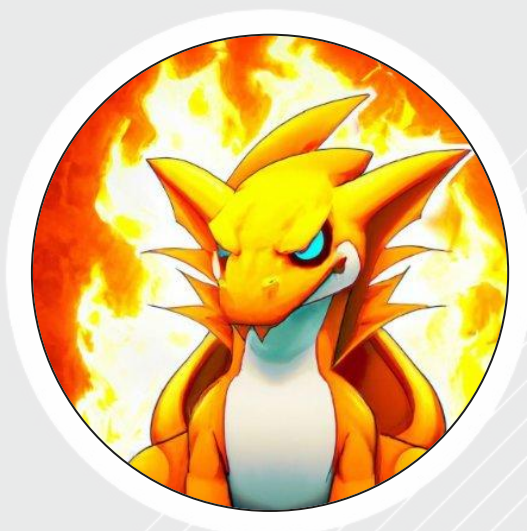




SPYWOLF

Security Audit Report



Completed on
November 30, 2022

MADE IN USA 

@SPYWOLFNETWORK



@SPYWOLFNETWORK



SPYWOLF.CO





OVERVIEW

This audit has been prepared for **Charizard** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

”

- SPYWOLF Team -





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charizard



PROJECT DESCRIPTION

According to their website:

Charizard's platform will be a world where you can earn money by breeding dragons and betting on battles with dragons.

Release Date: November 26, 2022

Category: Meme coin



CONTRACT INFO

Token Name
Charizard

Symbol
CHZ

Contract Address

0xcC578F173851CFaD2FC124E1499bD492849B2B6D

Network
Ethereum

Language
Solidity

Deployment Date
Nov 26, 2022

Verified?
Yes

Total Supply
10,000,000

Status
Launched

TAXES

Buy Tax
4%

Sell Tax
4%

Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of November 30, 2022)



Liquidity

6.7 WETH



Burn

No burnt tokens

Status:
Launched

MaxTxAmount
10,000,000

DEX
Uniswap

LP Address(es)

Liquidity address:

0xA22a7e23966FCC6f4877699B6b0BE655FBD86162

Liquidity lock:

98% Locked in Unicrypt – unlocks at 28/02/2023

<https://app.unicrypt.network/amm/uni-v2/pair/0xA22a7e23966FCC6f4877699B6b0BE655FBD86162>



TOKEN TRANSFERS STATS

Transfer Count	1878
Uniq Senders	436
Uniq Receivers	597
Total Amount	97034600.70646636 CHZ
Median Transfer Amount	23040 CHZ
Average Transfer Amount	51669.11645711734 CHZ
First transfer date	2022-11-26
Last transfer date	2022-11-30
Days token transferred	5

SMART CONTRACT STATS

Calls Count	6935
External calls	521
Internal calls	6414
Transactions count	2314
Uniq Callers	493
Days contract called	5
Last transaction time	2022-11-30 11:23:35 UTC
Created	2022-11-26 18:35:11 UTC
Create TX	0x38b739c0b20e1d84b71863f7ba7ef8fda938a9139b496b3163c6e21383c70e21
Creator	0x2621f4f26c6caaa8b5a088bad974b3480479fe2c



FEATURED WALLETS

Owner address	0x00 Ownership is renounced
Marketing wallet	0x175088e3573C4675eCe25A948c17bAa8FAB4f3be
Development wallet	0x2621f4f26C6CAAa8B5a088bAd974B3480479FE2C
LP address	Liquidity address: 0xA22a7e23966FCC6f4877699B6b0BE655FBD86162 Liquidity lock: 98% Locked in Unicrypt - unlocks at 28/02/2023 https://app.unicrypt.network/amm/uni-v2/pair/0xA22a7e23966FCC6f4877699B6b0BE655FBD86162

TOP 3 UNLOCKED WALLETS





VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

High Risk

No high risk-level threats found in this contract.

Medium Risk

No medium risk-level threats found in this contract.

Low Risk

No low risk-level threats found in this contract.



Informational

Ownership is renounced, meaning that owner have no longer access to the following functions.

Initially owner could:

Enable/disable trading, blacklist addresses, set fees up to 100%, set max transaction amount without limitations.

```
function setTrading(bool _tradingOpen) public onlyOwner {
    tradingOpen = _tradingOpen;
}

function blockBots(address[] memory bots_) public onlyOwner {
    for (uint256 i = 0; i < bots_.length; i++) {
        bots[bots_[i]] = true;
    }
}

function setFee(uint256 redisFeeOnBuy, uint256 redisFeeOnSell,
    uint256 taxFeeOnBuy, uint256 taxFeeOnSell) public onlyOwner {
    _redisFeeOnBuy = redisFeeOnBuy;
    _redisFeeOnSell = redisFeeOnSell;

    _taxFeeOnBuy = taxFeeOnBuy;
    _taxFeeOnSell = taxFeeOnSell;
}

function setMaxTxnAmount(uint256 maxTxAmount) public onlyOwner {
    _maxTxAmount = maxTxAmount;
}
```



Informational

Development and marketing wallet can initiate manual swap and withdraw eth from the contract.

```
function manualsend() external {
    require(_msgSender() == _developmentAddress || _msgSender() == _marketingAddress);
    uint256 contractETHBalance = address(this).balance;
    sendETHToFee(contractETHBalance);
}

function sendETHToFee(uint256 amount) private {
    _developmentAddress.transfer(amount.div(2));
    _marketingAddress.transfer(amount.div(2));
}

function manualswap() external {
    require(_msgSender() == _developmentAddress || _msgSender() == _marketingAddress);
    uint256 contractBalance = balanceOf(address(this));
    swapTokensForEth(contractBalance);
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

Charizard

GOOD PRACTICES FOUND

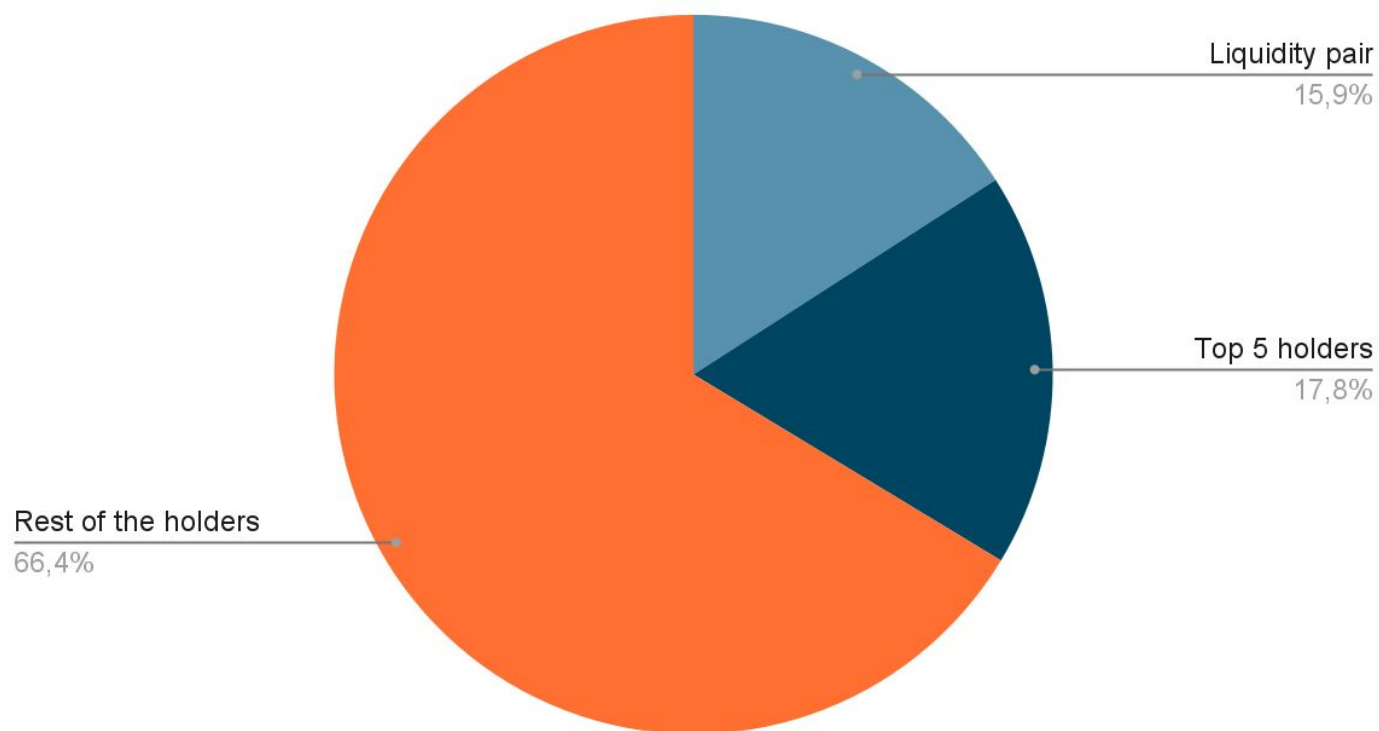
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit
- ✓ The smart contract utilizes "SafeMath" to prevent overflows



Current tokens distribution according to Etherscan.

- 15.9% - Liquidity pair
- 66,35% - Rest of the holders
- 17,75% - Top 5 holders

Tokens distribution





THE TEAM

⚠ The team is anonymous

KYC INFORMATION

⚠ No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL

<https://charizarderc.com/>

Domain Registry

<https://www.hostinger.com>

Domain Expiration

Expires on 2023-11-27

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Single page design, appropriate color scheme and graphics.

Content

The webpage content is not very informative and does not give specifics about the project mechanics. No grammar mistakes found.

Whitepaper

⚠ Too short, not very informative.

Roadmap

Yes, goals set without time frames

Mobile-friendly?

Yes



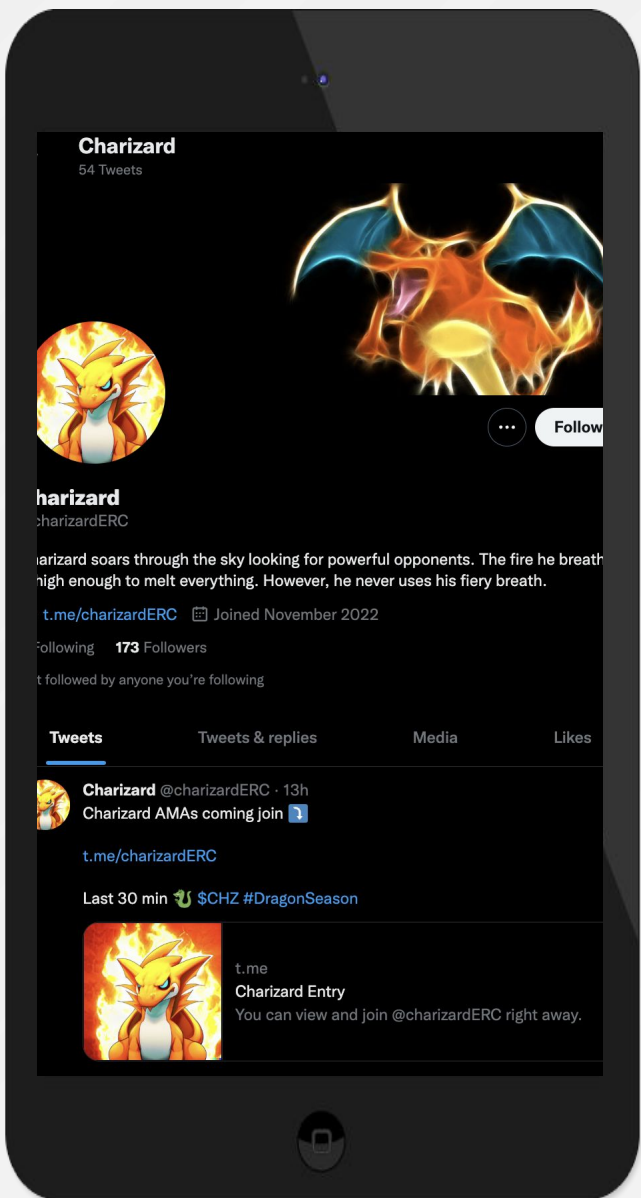
charizarderc.com



SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS
Project’s social media pages are very active with organic users



Twitter
@charizardERC

- 172 followers
- Very active
- Posts frequently



Discord

- Not available



Telegram
@charizardERC

- 559 members
- Very active members
- Very active mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 150 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

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contact@spywolf.co or
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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.